

1 ABSTRACT OF THE DISCLOSURE

2 The present invention provides communication devices,
3 communication systems and methods of communicating. According to
4 one embodiment of the invention, a communication device includes: a
5 first antenna operable to receive wireless communication signals; a
6 second antenna having plural leads, the second antenna being operable
7 to output wireless communication signals; a connection including plural
8 conductive lines having respective first ends and second ends, the
9 connection being coupled with the leads of the second antenna at the
10 first ends of the lines; and a switch coupled with the second ends of
11 the connection, the switch being operable to provide one of selective
12 shorting and isolation of the leads. One method of communicating of
13 the invention includes: forming a first antenna; forming a second
14 antenna; receiving wireless interrogation signals using the first antenna;
15 outputting wireless identification signals using the second antenna;
16 opening a coupling intermediate plural leads of the second antenna
17 during the receiving; selectively shorting the leads of the second antenna
18 during the outputting; and providing a low load impedance of the
19 second antenna during the receiving.

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